

## The Science Cases for Next Generation AO at Keck

<u>Time</u>	<u>Topic</u>	<u>Discussion leaders</u>
9 am	Overview and Goals of Workshop	Claire Max
9:30 am	NGAO system design status and plans	Peter Wizinowich
10 am	Discuss and refine existing science cases: Asteroid shape and multiplicity	Franck Marchis
10:30 am	Coffee break at the CfAO	
10:50 am	Continuation of discussion of existing science cases:	
	10:50 Planets around low-mass stars	Mike Liu
	11:10 Galactic Center	Andrea Ghez
	11:30 High-redshift galaxies	David Law
Noon	Lunch	
1 pm	Observing scenarios Io, Asteroids	David Le Mignant
1:45 pm	Instrument requirements	Sean Adkins Claire Max Anna Moore
2:30 pm	Kick-off discussions for new science cases Goals: Lay out the main issues Identify questions that will need to be addressed Plan follow-up Solar System: Titan, Io, Jovian planet icy moons Galactic astronomy: Protostellar objects, Debris disks Extragalactic astronomy: Strong lensing, AGNs, QSO host gals	Parallel sessions
3:30 pm	Coffee break at the CfAO	
3:50 pm	Continuation of Parallel Sessions: Kick-off discussions for new science cases	
4:50 pm	Report-back by the above groups	
5:15 pm	Tentative summary of new AO and instrument requirements Compilation of future work that needs to be done	
6:00 pm	Dinner at CfAO	